

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E81406

Employer : The Boeing Company

Worksite : The Boeing Company - Auburn

Street : 700 15th St Sw

Jurisdiction : City of Auburn

Participation : CTR

Status : Affected

Survey Type : Online

Response Rate : 55%

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 10.1%

Drive Alone Rate : 89.9%

One-Way VMT per employee : 16.4

Average One-Way distance home to work : 17.5

Employees and Survey Response Information

Reported Total Employees at Worksite: 4,840

Surveys Distributed : 1,636

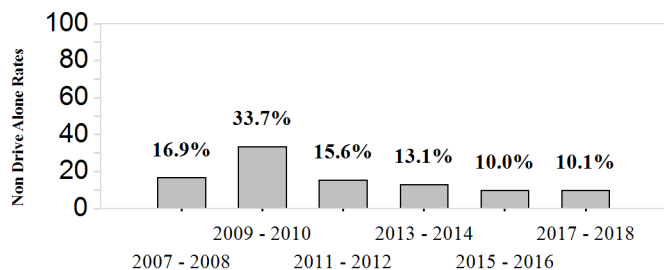
Surveys Returned : 896

Surveys Returned by CTR Affected* Employees : 712

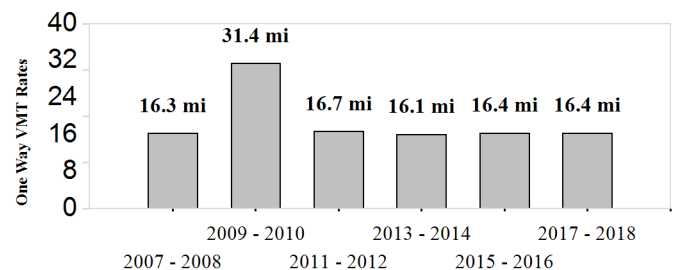
Total Estimated CTR Affected Employees at Worksite : 1,300

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

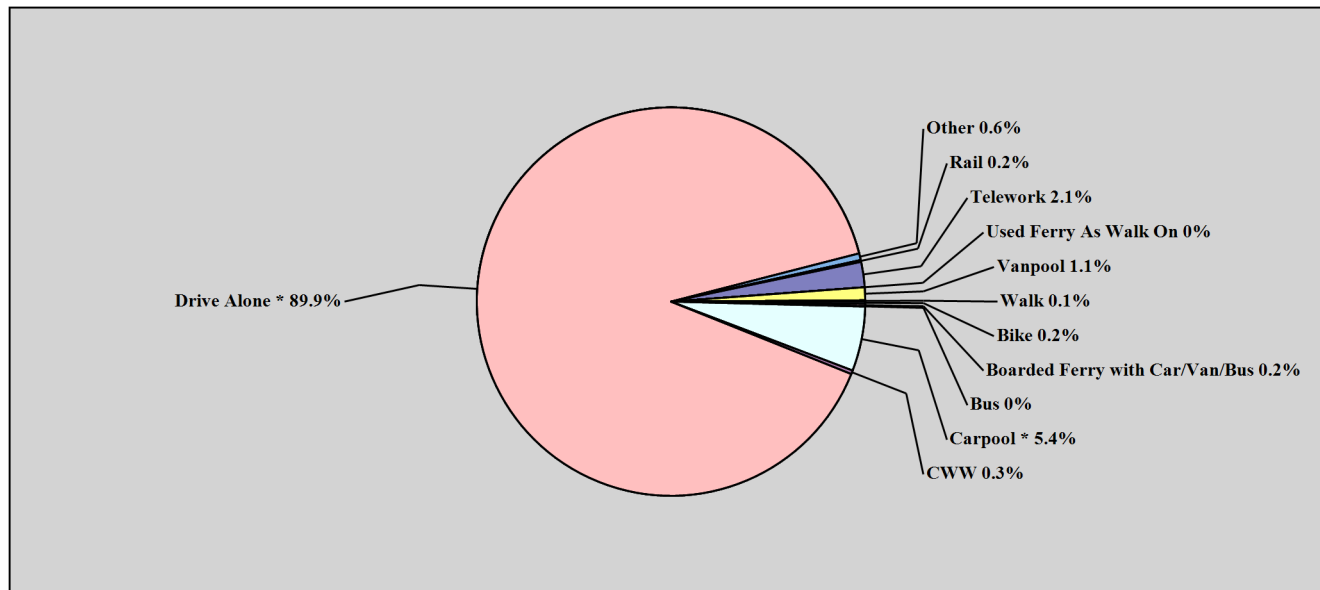
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	16.9%	19.0%	8910	19132	34.9	16.3	15.0
2009 - 2010	18.1%	18.1%	5722	19384	35.3	15.9	15.9
2009 - 2010	15.6%	17.7%	3986	11106	20.2	15.5	14.5
2011 - 2012	15.6%	16.6%	1810	20681	37.7	16.7	15.6
2013 - 2014	13.1%	13.8%	3612	21910	39.9	16.1	15.4
2015 - 2016	10.0%	8.2%	4038	21012	38.3	16.4	16.0
2017 - 2018	10.1%	10.6%	3393	18330	33.4	16.4	16.6
Target	22.9%				Target:	13.4	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-6.8				% Change from Baseline:	0.6%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



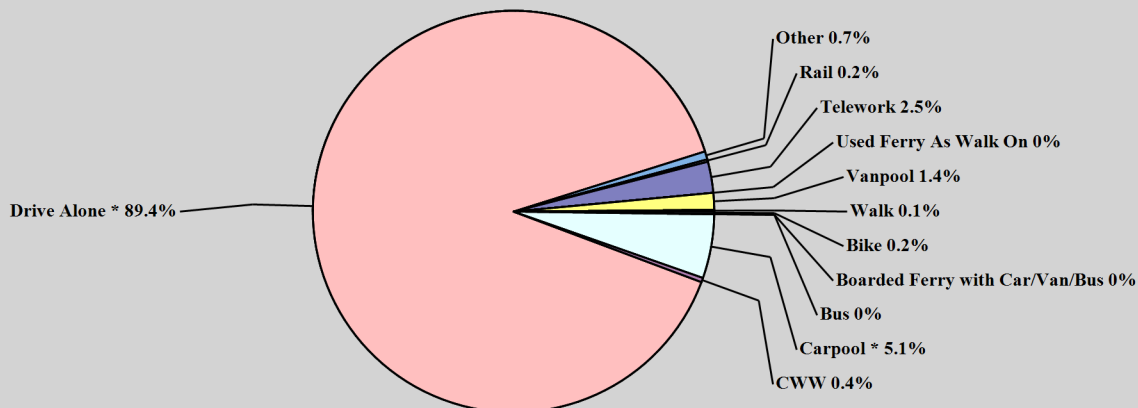
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	4,186	89.9%	90.0%	847	94.5%	93.8%
Carpool *	250	5.4%	5.7%	64	7.1%	6.9%
Vanpool	50	1.1%	1.5%	12	1.3%	1.9%
Bus	1	0.0%	0.1%	1	0.1%	0.2%
Rail	7	0.2%	0.1%	3	0.3%	0.1%
Bike	9	0.2%	0.2%	4	0.4%	0.3%
Walk	5	0.1%	0.1%	2	0.2%	0.2%
Telework	98	2.1%	1.1%	61	6.8%	3.5%
CWW	14	0.3%	0.2%	10	1.1%	0.9%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.0%	2	0.2%	0.1%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.1%
Other	26	0.6%	0.9%	10	1.1%	1.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,286	89.4%	91.8%	674	94.7%	94.8%
Carpool *	189	5.1%	2.8%	50	7.0%	3.9%
Vanpool	50	1.4%	2.3%	12	1.7%	2.7%
Bus	1	0.0%	0.1%	1	0.1%	0.1%
Rail	7	0.2%	0.1%	3	0.4%	0.1%
Bike	7	0.2%	0.2%	3	0.4%	0.3%
Walk	5	0.1%	0.1%	2	0.3%	0.1%
Telework	92	2.5%	1.9%	55	7.7%	5.3%
CWW	13	0.4%	0.3%	9	1.3%	1.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.1%	0	0.0%	0.1%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	24	0.7%	0.4%	9	1.3%	0.9%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	739	82%	896	100%
1 Days	49	5%	157	18%
2 Days	31	3%	108	12%
3 Days	14	2%	77	9%
4 Days	12	1%	63	7%
5 Days	43	5%	51	6%
6 or More Days	8	1%	8	1%

Count by Occupancy of Carpools and Vanpools

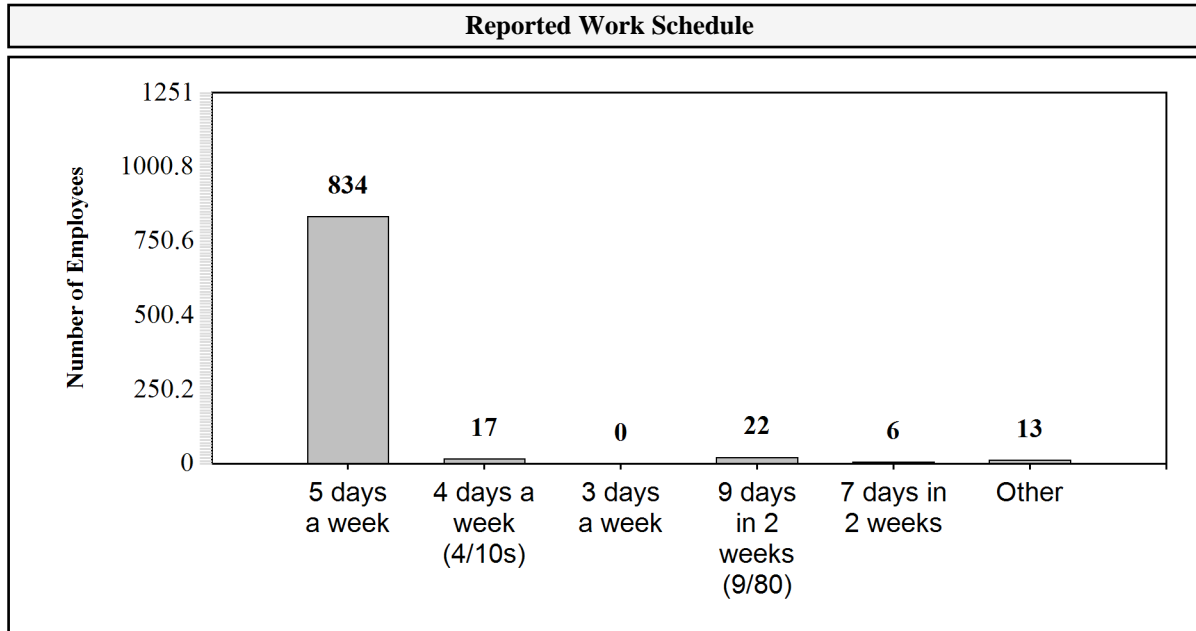
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	237
3	Carpool	11
4	Carpool	0
5	Carpool	0
>5	Carpool	2
<5	Vanpool	5
5	Vanpool	7
6	Vanpool	15
7	Vanpool	0
8	Vanpool	5
9	Vanpool	15
10	Vanpool	3
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

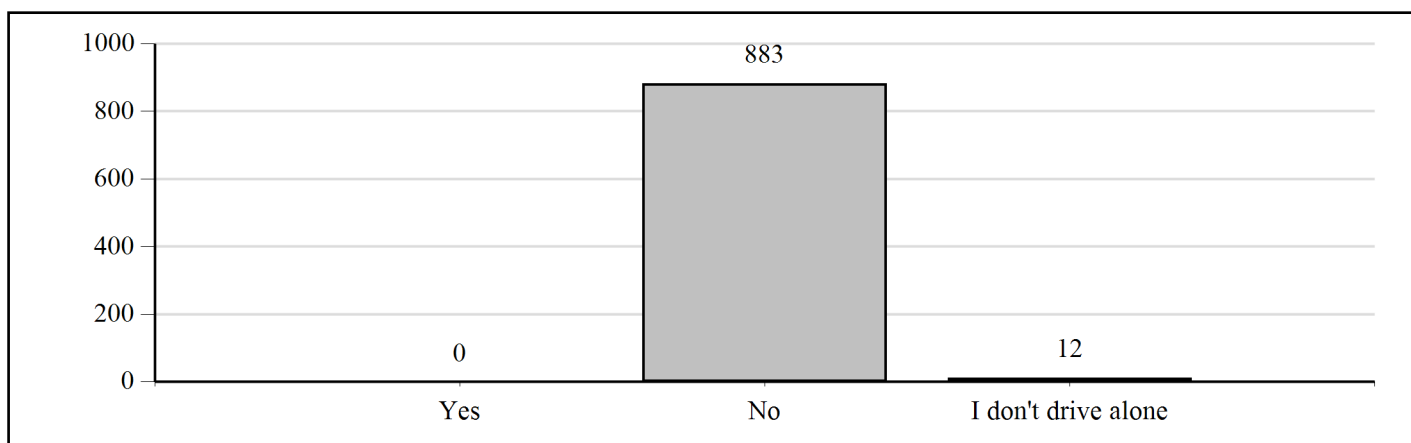
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	834	93.5%
4 days a week (4/10s)	17	1.9%
3 days a week	0	0%
9 days in 2 weeks (9/80)	22	2.5%
7 days in 2 weeks	6	0.7%
Other	13	1.5%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	666	74.3%
Occasionally, on an as-needed basis	156	17.4%
1-2 days/month	14	1.6%
1 day/week	40	4.5%
2 days/week	14	1.6%
3 days/week	6	0.7%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Other	228	16.3%
To save money	216	15.5%
To save time using the HOV lane	166	11.9%
I have the option of teleworking	137	9.8%
Financial incentives for carpooling, bicycling or walking.	125	9.0%
Personal health or well-being	116	8.3%
Environmental and community benefits	93	6.7%
Driving myself is not an option	85	6.1%
Free or subsidized bus, train, vanpool pass or fare benefit	70	5.0%
Cost of parking or lack of parking	55	3.9%
Emergency ride home is provided	52	3.7%
Preferred/reserved carpool/vanpool parking is provided	44	3.2%
I receive a financial incentive for giving up my parking space	9	0.6%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	586	26.5%
Riding the bus or train is inconvenient or takes too long	491	22.2%
My commute distance is too short	293	13.2%
Family care or similar obligations	280	12.7%
Other	206	9.3%
Bicycling or walking isn't safe	164	7.4%
My job requires me to use my car for work	125	5.6%
I need more information on alternative modes	50	2.3%
There isn't any secure or covered bicycle parking	18	0.8%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98391	81	9.04%	384	24	0	0	0	0	0	0	6	5	0	0	1
98092	58	6.47%	278	9	0	6	0	0	5	0	4	0	0	0	0
98374	45	5.02%	195	16	4	2	0	3	0	0	11	1	0	0	1
98042	39	4.35%	180	2	0	9	0	0	0	0	3	0	0	0	6
98038	31	3.46%	140	7	0	0	0	0	0	0	9	0	0	0	1
98321	31	3.46%	142	8	0	0	0	0	0	0	2	0	0	0	0
98338	29	3.24%	120	23	5	0	0	0	0	0	2	0	0	0	1
98023	28	3.13%	107	24	0	6	0	0	0	0	1	0	0	0	0
98001	26	2.90%	129	0	0	0	0	0	0	0	0	0	0	0	0
98372	24	2.68%	115	0	1	0	0	0	0	0	3	0	0	0	0
98387	23	2.57%	111	11	3	0	0	0	0	0	0	0	0	0	0
98022	22	2.46%	114	0	0	0	0	0	0	0	1	0	0	0	0
98058	20	2.23%	92	0	0	0	0	0	0	2	5	1	0	0	2
98002	19	2.12%	100	0	0	0	0	0	2	0	3	1	0	0	0
98003	19	2.12%	89	5	0	0	0	0	0	0	0	0	0	0	0
98031	18	2.01%	82	10	0	0	0	0	0	0	0	0	0	0	0
98360	17	1.90%	84	0	0	6	0	0	0	0	1	0	0	0	0
98371	15	1.67%	68	10	0	0	0	0	0	0	1	0	0	0	0
98055	14	1.56%	71	1	0	0	0	0	2	0	2	0	0	0	0
98390	14	1.56%	73	1	0	0	0	0	0	0	1	0	0	0	7
98056	13	1.45%	69	0	0	0	0	0	0	0	0	0	0	0	0
98375	12	1.34%	54	4	0	0	0	0	0	0	4	0	0	0	0
98466	12	1.34%	58	0	0	0	0	0	0	0	1	0	0	0	0
98030	11	1.23%	60	0	0	0	0	0	0	0	0	0	0	0	0
98198	11	1.23%	47	6	0	0	0	0	0	0	3	0	0	0	0
98373	11	1.23%	57	6	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98032	10	1.12%	49	0	0	0	0	0	0	0	3	0	0	0	0
98445	9	1.00%	49	0	4	0	0	0	0	0	0	0	0	0	0
98059	8	0.89%	38	0	0	0	0	0	0	0	0	0	0	0	0
98422	8	0.89%	36	0	0	0	0	0	0	0	5	0	0	0	0
98047	7	0.78%	23	0	0	2	0	0	0	3	2	0	0	0	0
98188	7	0.78%	36	0	0	0	0	0	0	0	0	0	0	0	0
98444	7	0.78%	39	0	0	0	0	0	0	0	0	0	0	0	0
98328	6	0.67%	27	4	0	0	0	0	0	0	2	0	0	0	0
98335	6	0.67%	19	5	0	0	0	0	0	0	3	0	0	0	0
98404	6	0.67%	31	2	0	0	0	0	0	0	0	0	0	0	0
98443	6	0.67%	30	7	0	0	0	0	0	0	0	0	0	0	0
98118	5	0.56%	27	0	0	0	0	0	0	0	0	0	0	0	0
98168	5	0.56%	19	5	0	3	0	0	0	0	0	1	0	0	0
98359	5	0.56%	20	0	5	0	0	0	0	0	0	0	0	0	0
98385	5	0.56%	26	0	0	0	0	0	0	0	0	0	0	0	0
98418	5	0.56%	21	3	0	3	0	0	0	0	0	0	0	0	0
98446	5	0.56%	26	0	0	0	0	0	0	0	0	0	0	0	0
98467	5	0.56%	27	0	0	0	0	0	0	0	0	0	0	0	0
98010	4	0.45%	17	0	0	0	0	0	0	0	5	0	0	0	0
98396	4	0.45%	19	6	0	0	0	0	0	0	0	0	0	0	0
98407	4	0.45%	19	0	0	0	0	0	0	0	1	0	0	0	0
98408	4	0.45%	24	0	0	0	0	0	0	0	0	0	0	0	0
98424	4	0.45%	17	0	0	3	0	0	0	0	0	2	0	0	0
98021	3	0.33%	9	5	0	0	0	0	0	0	0	0	0	0	0
98116	3	0.33%	13	1	0	0	1	1	0	0	0	0	0	0	0
98126	3	0.33%	13	0	0	0	0	0	0	0	0	1	0	0	0
98329	3	0.33%	12	3	0	0	0	0	0	0	0	0	0	0	0
98367	3	0.33%	10	0	5	0	0	0	0	0	0	0	0	0	0
98405	3	0.33%	17	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98516	3	0.33%	7	5	5	0	0	0	0	0	0	0	0	0	0
98580	3	0.33%	14	1	0	0	0	0	0	0	0	0	0	0	0
98597	3	0.33%	14	0	0	0	0	0	0	0	0	0	0	0	0
	2	0.22%	10	2	0	0	0	0	0	0	0	0	0	0	0
98034	2	0.22%	7	0	0	0	0	0	0	0	0	0	0	0	5
98043	2	0.22%	11	0	0	0	0	0	0	0	0	0	0	0	0
98051	2	0.22%	4	5	0	0	0	0	0	0	0	1	0	0	0
98052	2	0.22%	11	0	0	0	0	0	0	0	0	0	0	0	0
98057	2	0.22%	8	0	0	0	0	0	0	0	1	0	0	0	0
98070	2	0.22%	0	0	0	0	0	0	0	0	0	0	9	0	2
98072	2	0.22%	12	0	0	0	0	0	0	0	0	0	0	0	0
98102	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98106	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98107	2	0.22%	7	0	0	1	0	0	0	0	2	0	0	0	0
98109	2	0.22%	5	0	0	0	0	3	0	0	1	0	0	0	0
98121	2	0.22%	12	0	0	0	0	0	0	0	0	0	0	0	0
98146	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98258	2	0.22%	5	0	0	0	0	0	0	0	1	0	0	0	0
98333	2	0.22%	2	3	3	0	0	0	0	0	2	0	0	0	0
98354	2	0.22%	12	0	0	0	0	0	0	0	0	0	0	0	0
98406	2	0.22%	9	0	0	0	0	0	0	0	0	0	0	0	0
98409	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98498	2	0.22%	12	0	0	0	0	0	0	0	0	0	0	0	0
98499	2	0.22%	9	0	0	0	0	0	0	0	0	0	0	0	0
98501	2	0.22%	5	0	5	0	0	0	0	0	0	0	0	0	0
98513	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98528	2	0.22%	6	0	0	0	0	0	0	0	5	0	0	0	0
11111	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98004	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98006	1	0.11%	4	0	0	0	0	0	0	0	0	1	0	0	0
98008	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98011	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98012	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98025	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98028	1	0.11%	1	2	0	0	0	0	0	0	0	0	0	0	0
98036	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98040	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98045	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98074	1	0.11%	4	0	0	0	0	0	0	0	0	0	0	0	0
98087	1	0.11%	0	5	0	0	0	0	0	0	0	0	0	0	0
98103	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98108	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98112	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98133	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98136	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98166	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98208	1	0.11%	3	2	0	0	0	0	0	0	0	0	0	0	0
98270	1	0.11%	0	7	0	0	0	0	0	0	0	0	0	0	0
98282	1	0.11%	1	5	0	0	0	0	0	0	0	0	0	0	0
98292	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98294	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98296	1	0.11%	3	0	0	0	0	0	0	0	0	0	0	0	0
98303	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98312	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98327	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98332	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98349	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98383	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98388	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0
98402	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98403	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98465	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98503	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98524	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0
98531	1	0.11%	4	0	0	0	0	0	0	0	0	0	0	0	0
98532	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98588	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98589	1	0.11%	3	0	0	0	0	0	0	0	2	0	0	0	0